

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1 - 65. (Canceled).

Rule
126
Renumber
8mm
4/11/06

Claim 66. (New) A process for inhibiting growth of a target cell comprising administering to a target cell an antimicrobial peptide comprising a periodic peptide with repeating identical monomer units of 2, 3, or 4 residues, wherein the target cell is selected from the group consisting of bacteria, yeast, and fungi, and the antimicrobial peptide is administered in an amount effective to inhibit growth of said target cell, and wherein the periodic peptide is selected from the group consisting of Seq. ID. No. 1-23, 29-61, and 64.

⁶⁷
Claim ~~68~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 1.

⁶⁸
Claim ~~69~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 2.

⁶⁹
Claim ~~70~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 3.

⁷⁰
Claim ~~71~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 4.

⁷¹
Claim ~~72~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 5.

⁷²
Claim ~~73~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 6.

⁷³
Claim ~~74~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 7.

⁷⁴
Claim ~~75~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 8.

⁷⁵
Claim ~~76~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 9.

⁷⁶
Claim ~~77~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 10.

⁷⁷
Claim ~~78~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 11.

⁷⁸
Claim ~~79~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 12.

⁷⁹
Claim ~~80~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 13.

⁸⁰
Claim ~~81~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 14.

⁸¹
Claim ~~82~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 15.

⁸²
Claim ~~83~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 16.

⁸³
Claim ~~84~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 17.

⁸⁴
Claim ~~85~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 18.

⁸⁵
Claim ~~86~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 19.

⁸⁶
Claim ~~87~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 20.

⁸⁷
Claim ~~88~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 21.

⁸⁸
Claim ~~89~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 22.

⁸⁹
Claim ~~90~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 23.

⁹⁰
Claim ~~91~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 29.

⁹¹
Claim ~~92~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 30.

⁹²
Claim ~~93~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 31.

⁹³
Claim ~~94~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 32.

⁹⁴
Claim ~~95~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 33.

⁹⁵
Claim ~~96~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 34.

⁹⁶
Claim ~~97~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 35.

⁹⁷
Claim ~~98~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 36.

⁹⁸
Claim ~~99~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 37.

⁹⁹
Claim ~~100~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 38.

¹⁰⁰
Claim ~~101~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 39.

¹⁰¹
Claim ~~102~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 40.

¹⁰²
Claim ~~103~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 41.

¹⁰³
Claim ~~104~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 42.

¹⁰⁴
Claim ~~105~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 43.

¹⁰⁵
Claim ~~106~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 44.

¹⁰⁶
Claim ~~107~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 45.

¹⁰⁷
Claim ~~108~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 46.

¹⁰⁸
Claim ~~109~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 47.

¹⁰⁹
Claim ~~110~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 48.

¹¹⁰
Claim ~~111~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 49.

¹¹¹
Claim ~~112~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 50.

¹¹²
Claim ~~113~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 51.

¹¹³
Claim ~~114~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 52.

¹¹⁴
Claim ~~115~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 53.

¹¹⁵
Claim ~~116~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 54.

¹¹⁶
Claim ~~117~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 55.

¹¹⁷
Claim ~~118~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 56.

¹¹⁸
Claim ~~119~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 57.

¹¹⁹
Claim ~~120~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 58.

¹²⁰
Claim ~~121~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 59.

¹²¹
Claim ~~122~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 60.

¹²²
Claim ~~123~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 61.

¹²³
Claim ~~124~~. (New). The process of claim 66, wherein the periodic peptide is Seq. ID. No. 64.

¹²⁴
Claim ~~125~~. (New). A process for killing a target cell comprising administering to a target cell an antimicrobial peptide comprising a periodic peptide with repeating identical monomer units of 2, 3, or 4 residues, wherein the target cell is selected from the group consisting of bacteria, yeast, and fungi, and the antimicrobial peptide is administered in an amount effective to kill said target cell, and wherein the periodic peptide is selected from the group consisting of Seq. ID. No. 1-23, 29-61, and 64.

¹²⁵
Claim ~~126~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 1.

¹²⁶
Claim ~~127~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 2.

¹²⁷
Claim ~~128~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 3.

¹²⁸
Claim ~~129~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 4.

¹²⁹
Claim ~~130~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 5.

¹³⁰
Claim ~~131~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 6.

¹³¹
Claim ~~132~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 7.

¹³²
Claim ~~133~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 8.

- Claim ¹³³~~134~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 9.
- Claim ¹³⁴~~135~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 10.
- Claim ¹³⁵~~136~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 11.
- Claim ¹³⁶~~137~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 12.
- Claim ¹³⁷~~138~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 13.
- Claim ¹³⁸~~139~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 14.
- Claim ¹³⁹~~140~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 15.
- Claim ¹⁴⁰~~141~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 16.
- Claim ¹⁴¹~~142~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 17.
- Claim ¹⁴²~~143~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 18.
- Claim ¹⁴³~~144~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 19.
- Claim ¹⁴⁴~~145~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 20.
- Claim ¹⁴⁵~~146~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 21.
- Claim ¹⁴⁶~~147~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 22.
- Claim ¹⁴⁷~~148~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 23.

Claim ~~149~~¹⁴⁸ (New). The process of claim ~~125~~¹²⁴, wherein the periodic peptide is Seq. ID. No. 29.

Claim ~~150~~¹⁴⁹ (New). The process of claim ~~125~~¹²⁴, wherein the periodic peptide is Seq. ID. No. 30.

Claim ~~151~~¹⁵⁰ (New). The process of claim ~~125~~¹²⁴, wherein the periodic peptide is Seq. ID. No. 31.

Claim ~~152~~¹⁵¹ (New). The process of claim ~~125~~¹²⁴, wherein the periodic peptide is Seq. ID. No. 32.

Claim ~~153~~¹⁵² (New). The process of claim ~~125~~¹²⁴, wherein the periodic peptide is Seq. ID. No. 33.

Claim ~~154~~¹⁵³ (New). The process of claim ~~125~~¹²⁴, wherein the periodic peptide is Seq. ID. No. 34.

Claim ~~155~~¹⁵⁴ (New). The process of claim ~~125~~¹²⁴, wherein the periodic peptide is Seq. ID. No. 35.

Claim ~~156~~¹⁵⁵ (New). The process of claim ~~125~~¹²⁴, wherein the periodic peptide is Seq. ID. No. 36.

Claim ~~157~~¹⁵⁶ (New). The process of claim ~~125~~¹²⁴, wherein the periodic peptide is Seq. ID. No. 37.

Claim ~~158~~¹⁵⁷ (New). The process of claim ~~125~~¹²⁴, wherein the periodic peptide is Seq. ID. No. 38.

Claim ~~159~~¹⁵⁸ (New). The process of claim ~~125~~¹²⁴, wherein the periodic peptide is Seq. ID. No. 39.

Claim ~~160~~¹⁵⁹ (New). The process of claim ~~125~~¹²⁴, wherein the periodic peptide is Seq. ID. No. 40.

Claim ~~161~~¹⁶⁰ (New). The process of claim ~~125~~¹²⁴, wherein the periodic peptide is Seq. ID. No. 41.

Claim ~~162~~¹⁶¹ (New). The process of claim ~~125~~¹²⁴, wherein the periodic peptide is Seq. ID. No. 42.

Claim ~~163~~¹⁶² (New). The process of claim ~~125~~¹²⁴, wherein the periodic peptide is Seq. ID. No. 43.

¹⁶³
Claim ~~164~~ (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 44.

¹⁶⁴
Claim ~~165~~ (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 45.

¹⁶⁵
Claim ~~166~~ (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 46.

¹⁶⁶
Claim ~~167~~ (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 47.

¹⁶⁷
Claim ~~168~~ (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 48.

¹⁶⁸
Claim ~~169~~ (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 49.

¹⁶⁹
Claim ~~170~~ (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 50.

¹⁷⁰
Claim ~~171~~ (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 51.

¹⁷¹
Claim ~~172~~ (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 52.

¹⁷²
Claim ~~173~~ (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 53.

¹⁷³
Claim ~~174~~ (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 54.

¹⁷⁴
Claim ~~175~~ (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 55.

¹⁷⁵
Claim ~~176~~ (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 56.

¹⁷⁶
Claim ~~177~~ (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 57.

¹⁷⁷
Claim ~~178~~ (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 58.

Appl. No. 10/785,210
Amendment dated January 17, 2006
Reply to Office Action of August 15, 2005

Claim ¹⁷⁸~~179~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 59.

Claim ¹⁷⁹~~180~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 60.

Claim ¹⁸⁰~~181~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 61.

Claim ¹⁸¹~~182~~. (New). The process of claim ¹²⁴~~125~~, wherein the periodic peptide is Seq. ID. No. 64.